



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683,662	01/31/2002	Uwe Hansmann	DE920000079US1	1472
7590 05/17/2005				
LAWRENCE HARBIN 500 9TH STREET, S.E. WASHINGTON,, DC 20003				
		EXAMINER DEBERADINIS, ROBERT L		
		ART UNIT PAPER NUMBER 2836		

DATE MAILED: 05/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/683,662

Applicant(s)

HANSMANN ET AL. 

Examiner

Robert DeBeradinis

Art Unit

2836

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 16 February 2005.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1 and 4-19 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1 and 4-19 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 15 April 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

Art Unit: 2836

**DETAILED ACTION**

The reply filed 2/16/05 consists of amending claims 1, 4-6, 8-12, 13-18, cancellation of claims 2, 3 and remarks related to claim rejections. The claims are not allowable for the reasons given below.

***Drawings***

Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2836

Claims 1, 4-7, 12, 13, 16, 18, 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over HART 6,549,968 in view of DENSHAM US 2004/0075418 A1.

Regarding claims 1, 12, 16, 18, 19.

HART discloses a mobile data processing device (notebook computer).

HART does not disclose an internal power supply, a port for connecting an external power supply to the internal power supply, a power server that obtains power from internal power supply in order to provide at least one additional reference voltage, and a further port for supplying said at least one reference voltage to at least one other independent mobile data processing device requiring said reference voltage.

DENSHAM discloses a power management topology for portable electronic devices that includes a feed-enable AC/DC adapter that receives feedback data from a charge controller associated with the portable device (abstract).

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify the battery power source, obviously part of the note notebook computer, to have the power management topology disclosed by DENSHAM. The motivation would be to provide a portable device that includes one or more batteries and one or more active systems coupled to an ac/dc adapter to deliver controlled power to both the batteries and power any systems coupled thereto (paragraph 0014).

Art Unit: 2836

Regarding claim 4.

HART in view of DENSHAM disclose the mobile data processing device according to claim 1.

DENSHAM discloses a power management topology wherein the power server comprises an input with power of a certain voltage from said internal power supply, one voltage regulator circuit to meet for generating said reference voltage and an output for providing said reference voltage to an assigned power receiving device (portable device) of said at least one other independent mobile data processing device (abstract).

Regarding claim 5.

HART in view of DENSHAM disclose the mobile data processing device according to claim 4.

DENSHAM teaches a topology including a power subsystem and battery charge and wherein said power server further comprises an input for receiving power from said power subsystem and battery charger and a switch (obviously part of the controlled adapter) for controlling supply of said power to said assigned power receiving device (figures 3A, 3B).

Regarding claims 6, 13.

HART in view of DENSHAM disclose the mobile data processing device according to claim 5.

DENSHAM teaches, error signals generated by error amplifiers are received by controller to regulate dc source voltages (paragraph 0014), the controller having obviously reference voltages to determine the desired voltage

Art Unit: 2836

level to regulate, and obviously would require a voltage selection circuit for choosing a device specific reference voltage for powering said assigned power receiving device (abstract).

Regarding claim 7.

HART in view of DENSHAM disclose the mobile data processing device according to claim 6.

DENSHAM discloses wherein said voltage generator supports several independent voltage regulator circuits concurrently (figure 1, system includes one or more active systems 18, 20, 22 coupled to an AC/DC adapter 12; paragraph 0014).

Claims 8-11, 14, 15, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over HART 6,549,968 in view of DENSHAM US 2004/0075418 A1 in further view of LAHOUD 6,266,220.

Regarding claims 8, 9, 14, 15, 17.

HART in view of DENSHAM disclose the mobile data processing device according to claim 7.

HART in view DENSHAM does not disclose wherein said power server further comprises a protection circuit for protection of said power server against high voltages.

LAHOUD discloses a power protection device that prevents the flow of power to an electronic component in response to an over-voltage or under-voltage signal condition.

Art Unit: 2836

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify the power topology to include protection device.

The motivation would be to protect the mobile device from over voltage.

Regarding claims 10, 11.

HART in view of DENSHAM in further view of LAHOUD disclose the mobile data processing device according to claim 9.

HART discloses power management topology for a portable electronic device comprising a rechargeable battery and a charge controller comprising circuitry generating feedback signal indicative of battery voltage (paragraph 0017), notebook, mobile phone, personal assistant are all portable electronic devices.

### ***Response to Arguments***

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory

Art Unit: 2836

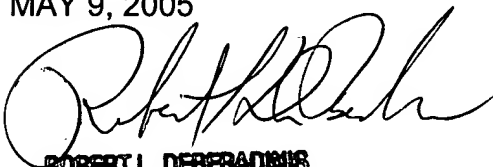
action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (571) 272-2049. The Examiner can normally be reached Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Brian Sircus, can be reached on (571) 272-2058. The Fax phone number for this Group is (703) 872-9306.

RLD

MAY 9, 2005



**ROBERT L. DEBERADINIS**  
**PRIMARY EXAMINER**